

SEQUENCE LISTING

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Wolffe, Alan
Eisenberg, Stephen P.
Jarvis, Eric
Sangamo BioSciences, Inc.

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1 5

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1 5

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Arg Ser Asp His Leu Thr Arg
1 5

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<220>
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tgaacaggtc tttcatcca gc 22

<210> 206
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<221> modified_base
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<220>
<223> target

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      class of zinc finger proteins (ZFP)

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<222> (2)...(5)
<223> Xaa = any amino acid, Xaa in positions 4 and 5 may
      be present or absent

<221> MOD_RES
<222> (7)...(18)
<223> Xaa = any amino acid

<221> MOD_RES
<222> (20)...(24)
<223> Xaa = any amino acid, Xaa in positions 23 and 24
      may be present or absent

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      1           5           10          15
Xaa Xaa His Xaa Xaa Xaa Xaa His
      20          25

<210> 209
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<220>
<223> target

      <400> 209
ggcgtagac
      9

<210> 210
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      <400> 210
ggcgacgt
      9

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Thr Gly Glu Lys Pro
1 5

<210> 212
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<220>
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<400> 212
Gly Gly Gly Gly Ser
1 5

<210> 213
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<220>
<223> peptide linker

<400> 213
Gly Gly Arg Arg Gly Gly Ser
1 5

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Leu Arg Gln Arg Asp Gly Glu Arg Pro
1 5

<210> 215
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Leu Arg Gln Lys Asp Gly Gly Ser Glu Arg Pro
1 5 10

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Leu Arg Gln Lys Asp Gly Gly Ser Gly Gly Ser Glu Arg Pro
1 5 10 15

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Tyr Ala Cys Pro Val Glu Ser Cys Asp Arg Arg Phe Ser Arg Ser Asp
1 5 10 15
Glu Leu Thr Arg His Ile Arg Ile His Thr Gly Gln Lys Pro
20 25 30

<210> 218
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<212> PRT
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<220>
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Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Arg Ser Asp His Leu
1 5 10 15
Thr Thr His Ile Arg Thr His Thr Gly Glu Lys Pro
20 25

<210> 219
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<220>
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1 5 10 15
Lys Arg His Thr Lys Ile His Leu Arg Gln Lys
20 25

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Val Tyr Gly Lys Thr Ser His Leu Arg Ala His Leu Arg Trp His Thr
 20          25          30
Gly Glu Arg Pro Phe Met Cys Thr Trp Ser Tyr Cys Gly Lys Arg Phe
 35           40           45
Thr Arg Ser Asp Glu Leu Gln Arg His Lys Arg Thr His Thr Gly Glu
 50           55           60
Lys Lys Phe Ala Cys Pro Glu Cys Pro Lys Arg Phe Met Arg Ser Asp
 65           70           75           80
His Leu Ser Lys His Ile Lys Thr His Gln Asn Lys Lys Gly
 85           90

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<223> Sp-i consensus sequence with leader sequence

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Met Glu Lys Leu Arg Asn Gly Ser Gly Asp Pro Gly Lys Lys Lys Gln
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His Ala Cys Pro Glu Cys Gly Lys Ser Phe Ser Lys Ser Ser His Leu
 20          25          30
Arg Ala His Gln Arg Thr His Thr Gly Glu Arg Pro Tyr Lys Cys Pro
 35           40           45
Glu Cys Gly Lys Ser Phe Ser Arg Ser Asp Glu Leu Gln Arg His Gln
 50           55           60
Arg Thr His Thr Gly Glu Lys Pro Tyr Lys Cys Pro Glu Cys Gly Lys
 65           70           75           80
Ser Phe Ser Arg Ser Asp His Leu Ser Lys His Gln Arg Thr His Gln
 85           90           95
Asn Lys Lys Gly
 100

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<223> VEGF-A reverse primer

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actcgatctc atcagggtac tc                                22

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<223> n = c modified by aminofluorescein (FAM)

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<221> modified_base
<222> (25)...(25)
<223> n = a modified by tetramethylrhodamine (TAMRA)

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25

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<223> GAPDH forward primer

<400> 229
ccatgttcgt catgggtgtg a

21

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<220>
<223> GAPDH reverse primer

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catggactgt ggtcatgagt

20

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<221> modified_base
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24

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<223> VP16-FLAG forward primer

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20

<210> 233
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<223> VP16-FLAG reverse primer

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<221> modified_base
<222> (26)...(26)
<223> n = a modified by tetramethylrhodamine (TAMRA)

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tcaccgcctc ggcttgtcac at                                22

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Gln Ser Gly His Leu Thr Lys
1 5

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49

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37

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9

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Thr Ser Gly His Leu Thr Arg

1 5

<210> 246

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Thr Ser Gly His Leu Ile Arg

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Thr Ser Gly His Leu Ser Arg

1 5

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Thr Lys Asp His Leu Val Arg
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